

## STRADA-2X2-CAT

Catenary street light beam optimized for EN13201 M-classes

### TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	6.2 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

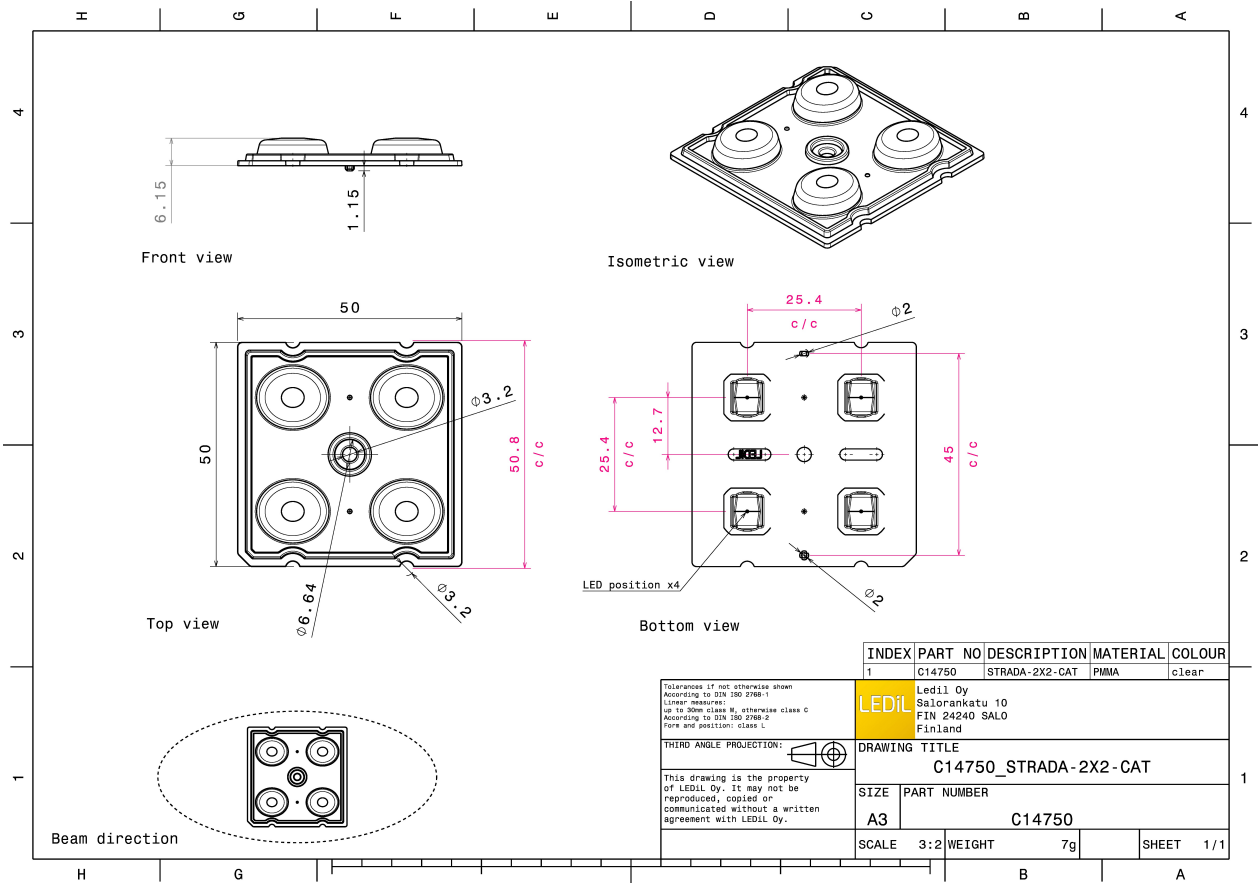
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADA-2X2-CAT	Multi-lens	PMMA	clear	


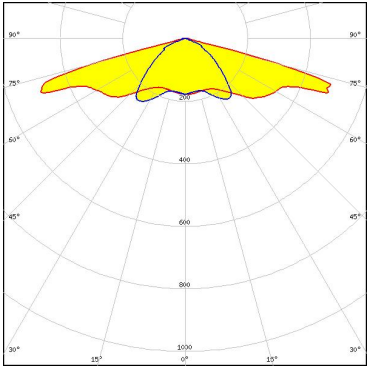

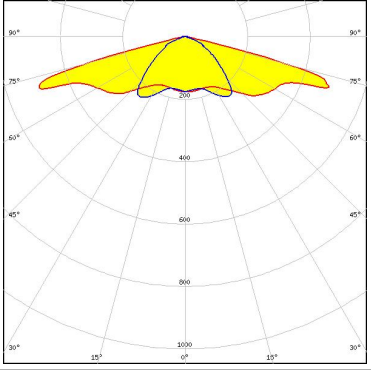

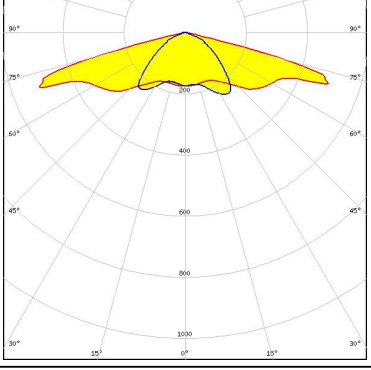

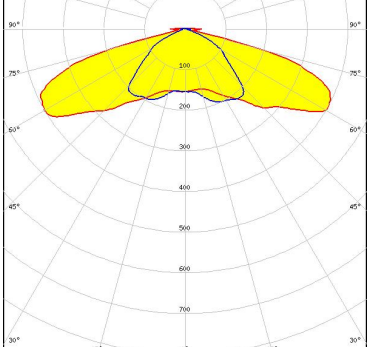


### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14750_STRADA-2X2-CAT » Box size: 480 x 280 x 300 mm	800	160	160	6.3



#### PHOTOMETRIC DATA (MEASURED):

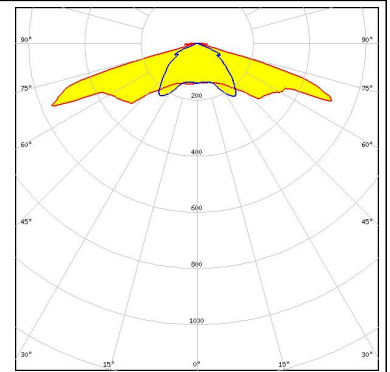
 <p> <b>LED</b> QUICK FLUX XTP 2x4 xxx LS G5  <b>FWHM</b> 152.0 + 117.0°  <b>Efficiency</b> 94 %  <b>Peak intensity</b> 0.5 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>	
 <p> <b>LED</b> QUICK FLUX XTP 2x6 xxx LS G5  <b>FWHM</b> 153.0 + 118.0°  <b>Efficiency</b> 94 %  <b>Peak intensity</b> 0.5 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>	
 <p> <b>LED</b> QUICK FLUX XTP 2x8 xxx LS G5  <b>FWHM</b> 152.0 + 118.0°  <b>Efficiency</b> 94 %  <b>Peak intensity</b> 0.5 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>	
 <p> <b>LED</b> XD16  <b>FWHM</b> 150.0 + 126.0°  <b>Efficiency</b> 94 %  <b>Peak intensity</b> 0.4 cd/lm  <b>LEDs/each optic</b> 4  <b>Light colour</b> White  <b>Required components:</b> </p>	



#### PHOTOMETRIC DATA (MEASURED):

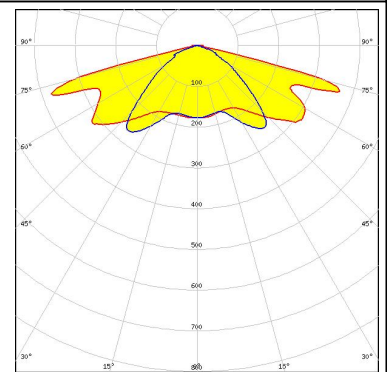
#### CREE

LED XD16  
 FWHM 148.0 + 133.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



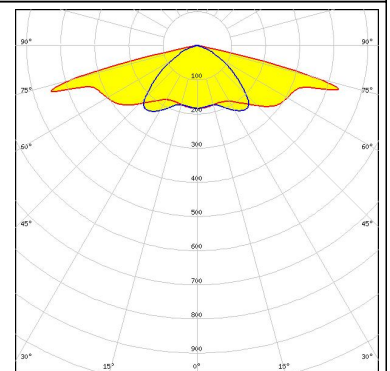
#### CREE

LED XP-G2  
 FWHM 153.0 + 118.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



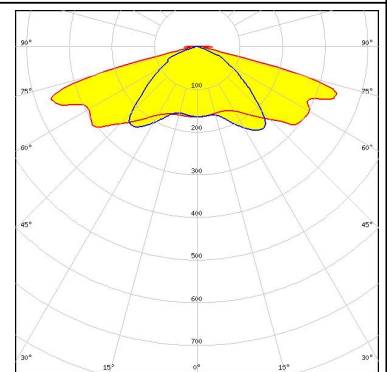
#### CREE

LED XP-G2 HE  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

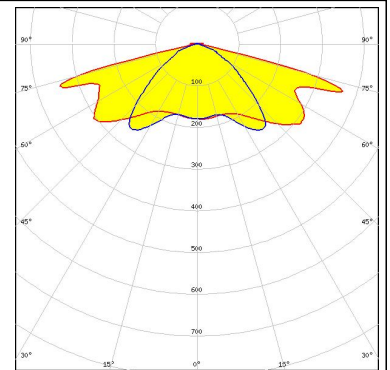
LED XP-G3  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



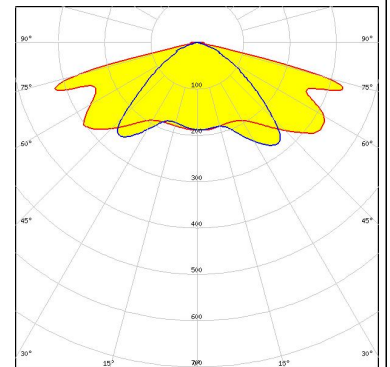
#### PHOTOMETRIC DATA (MEASURED):



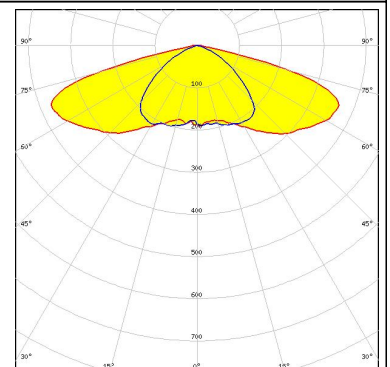
LED XP-L HI  
 FWHM 153.0 + 118.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



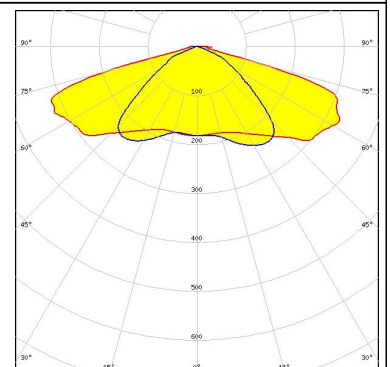
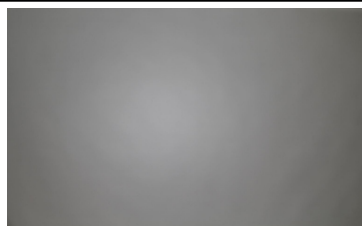
LED H35C1 (LEMWA33)  
 FWHM 154.0 + 116.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 5050 Round LES  
 FWHM 149.0 + 119.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



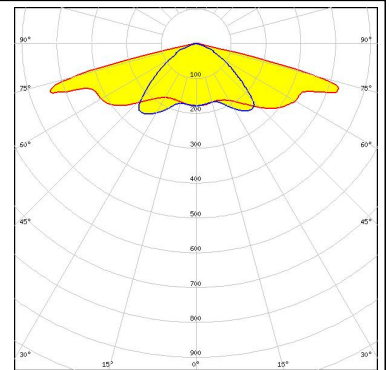
LED LUXEON V  
 FWHM 152.0 + 117.0°  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



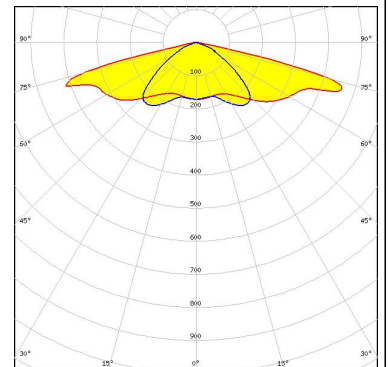
#### PHOTOMETRIC DATA (MEASURED):



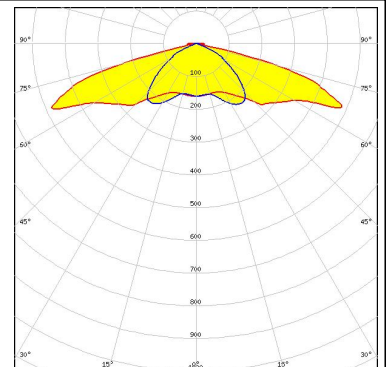
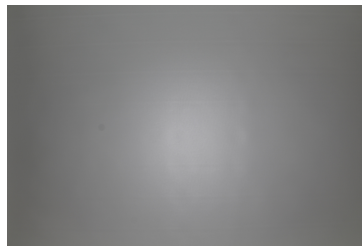
LED NVSW219F  
FWHM 154.0 + 118.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



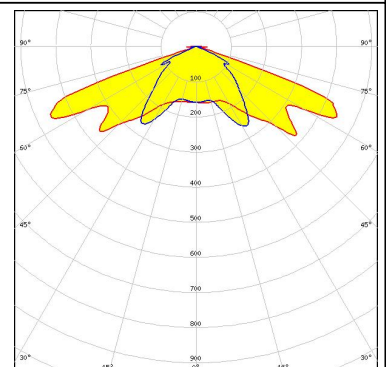
LED NVSW319B  
FWHM 155.0 + 120.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSW3x9A  
FWHM 152.0 + 125.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



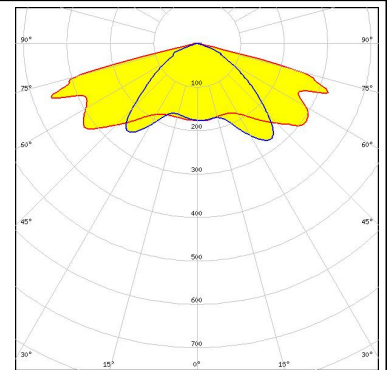
LED NVSxE21A  
FWHM 142.0 + 130.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

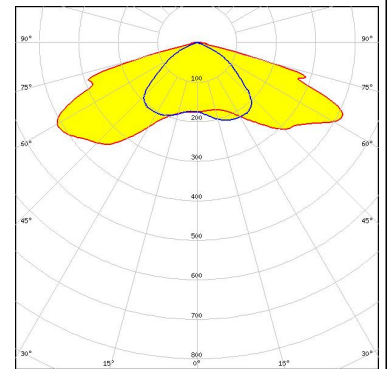
LED PrevaLED Brick HP 2x8  
 FWHM 152.0 + 119.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

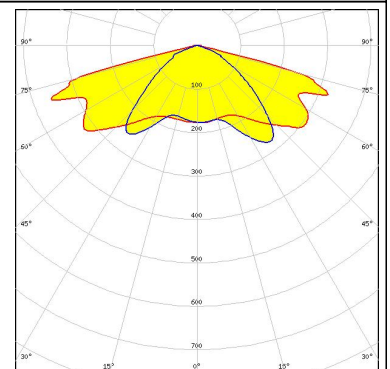
LED Duris S8  
 FWHM 150.0 + 117.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

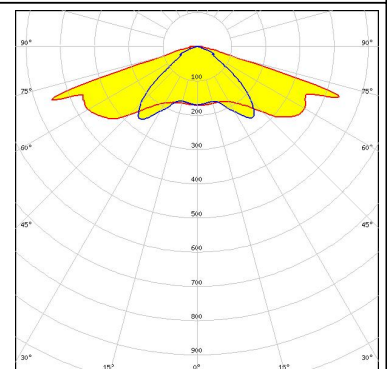
LED OSLON Square CSSRM2/CSSRM3  
 FWHM 152.0 + 119.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

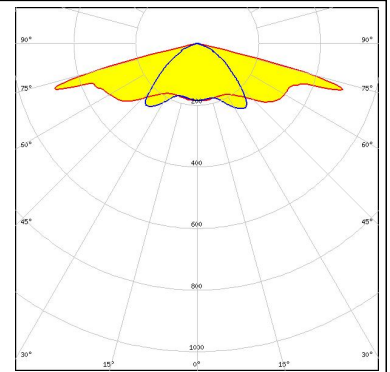
LED OSLON Square PC  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

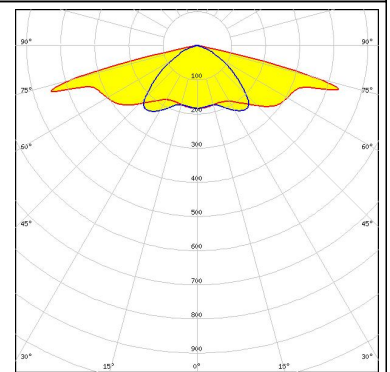
### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4  
FWHM 117.0 + 153.0°  
Efficiency 94 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



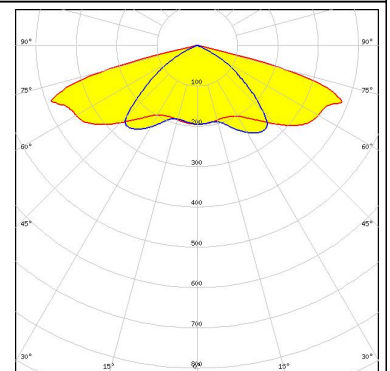
### PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



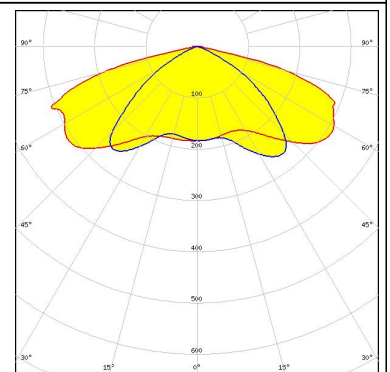
### SAMSUNG

LED HiLOM RH16 (LH351C)  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



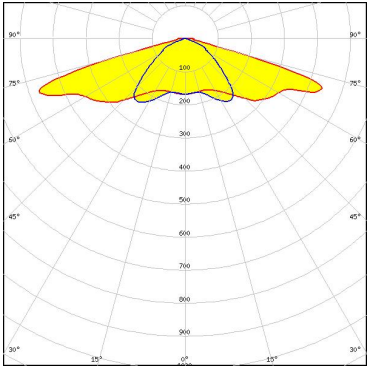
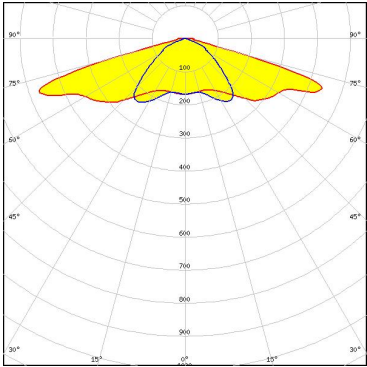

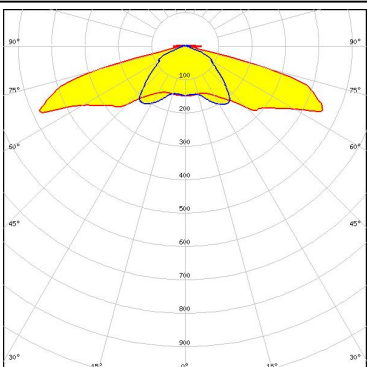


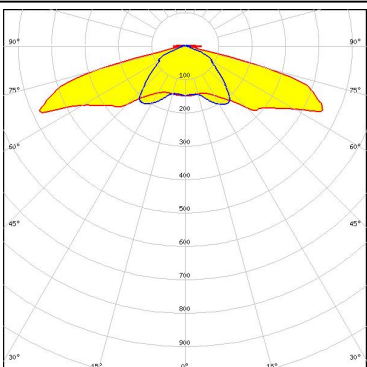
### SAMSUNG

LED LH351B  
FWHM 154.0 + 119.0°  
Efficiency 94 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





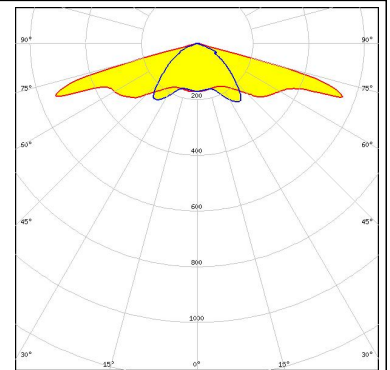
#### PHOTOMETRIC DATA (MEASURED):

<p> SEUL SEMICONDUCTOR</p> <p>LED Z5M3            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p> SEUL SEMICONDUCTOR</p> <p>LED Z8Y22            FWHM 143.0 + 128.0°            Efficiency 94 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p> SEUL SEMICONDUCTOR</p> <p>LED Z8Y22P            FWHM 151.0 + 130.0°            Efficiency 94 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED RLE 2x4 2000lm HP EXC2 OTD            FWHM 151.0 + 119.0°            Efficiency 94 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

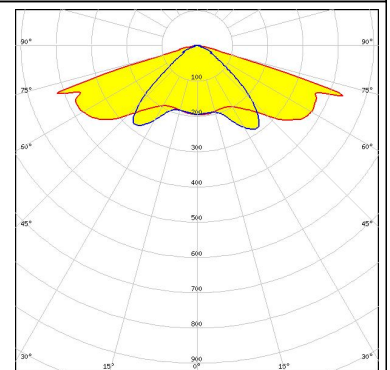
#### TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD  
 FWHM 151.0 + 119.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



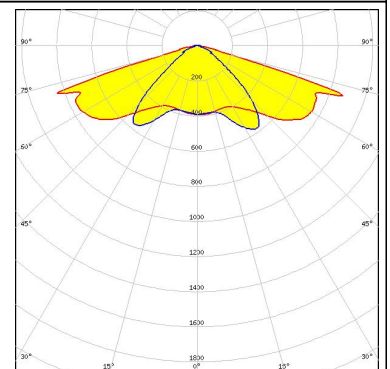
#### TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD  
 FWHM 147.0 + 107.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



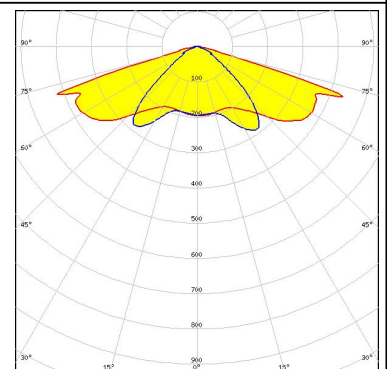
#### TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD  
 FWHM 147.0 + 107.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### TRIDONIC

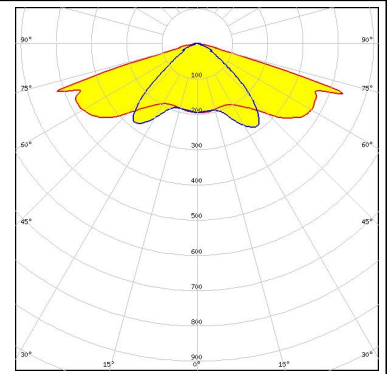
LED RLE G1 49x223mm 4000lm xxx EXC OTD  
 FWHM 147.0 + 107.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

#### TRIDONIC

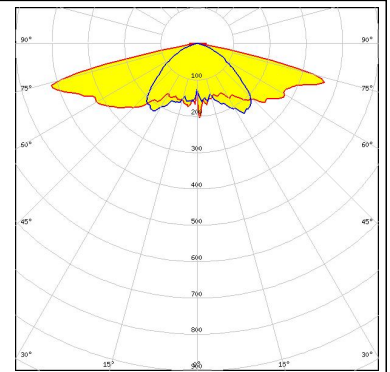
LED RLE G1 49x245mm 4000lm xxx EXC OTD  
FWHM 147.0 + 107.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



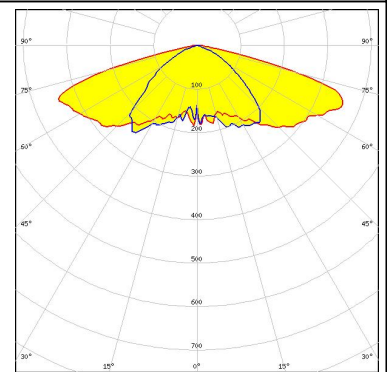
#### PHOTOMETRIC DATA (SIMULATED):



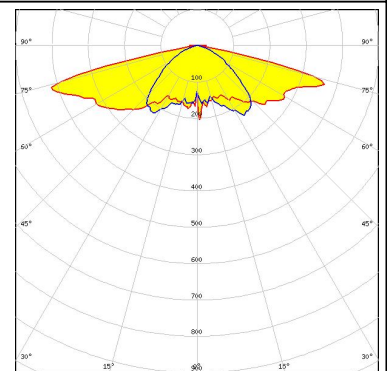
LED XB-D  
FWHM 154.0 + 107.0°  
Efficiency 91 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



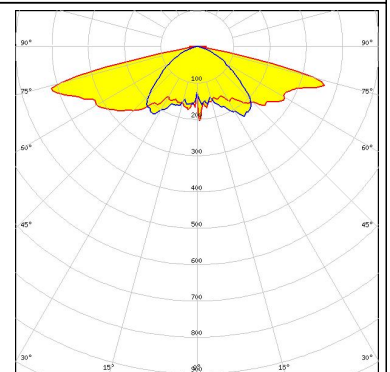
LED XM-L  
FWHM 109.0 + 152.0°  
Efficiency 93 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XM-L2  
FWHM 153.0 + 112.0°  
Efficiency 93 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



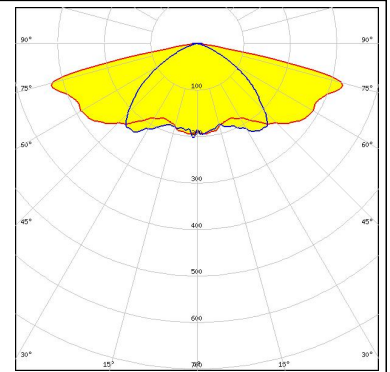
LED XP-G  
FWHM 156.0 + 112.0°  
Efficiency 92 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

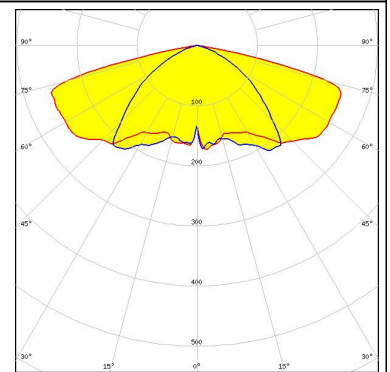


LED XP-G2 HE  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

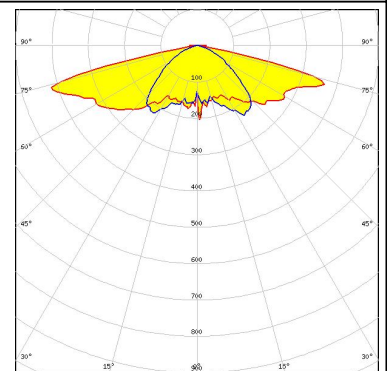


LED XP-G3  
 FWHM 154.0 + 112.0°  
 Efficiency 82 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

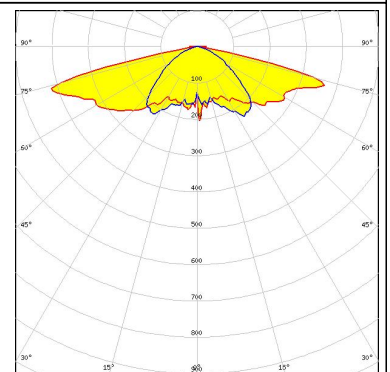
Transparent protective cover



LED XP-L HD  
 FWHM 155.0 + 109.0°  
 Efficiency 91 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



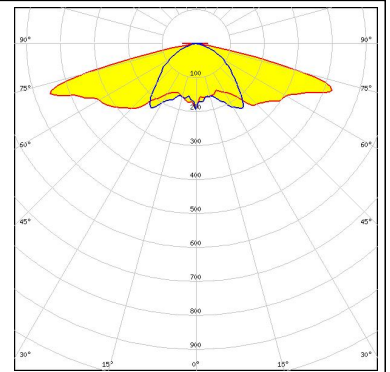
LED XT-E  
 FWHM 155.0 + 110.0°  
 Efficiency 91 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



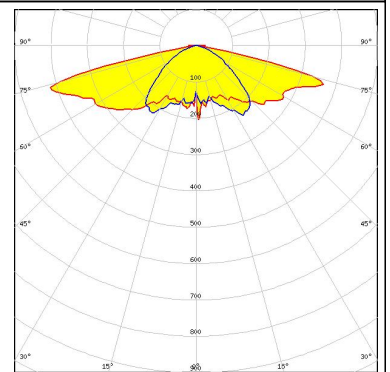
#### PHOTOMETRIC DATA (SIMULATED):



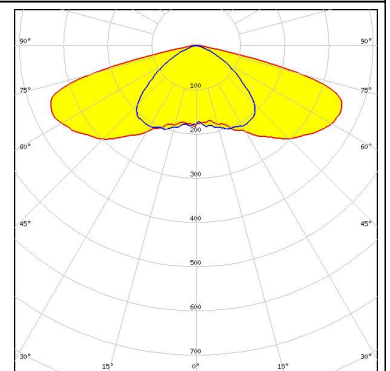
LED XT-E  
FWHM 153.0 + 110.0°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



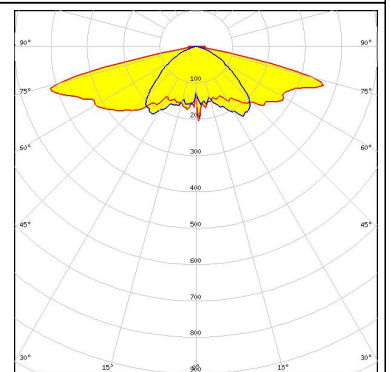
LED XT-E HVW  
FWHM 155.0 + 110.0°  
Efficiency 92 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON 5050 Square LES  
FWHM 152.0 + 112.0°  
Efficiency 96 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



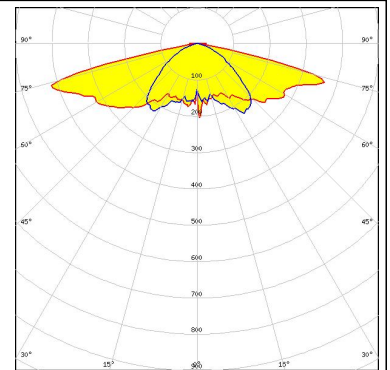
LED LUXEON R  
FWHM 150.0 + 107.0°  
Efficiency 92 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

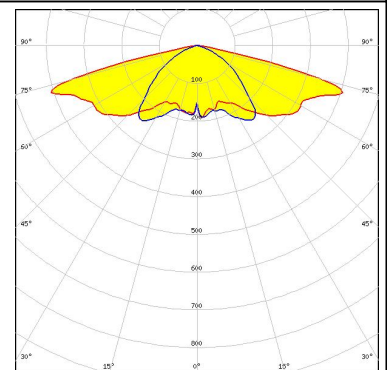
##### LUMILEDS

LED LUXEON Rebel ES  
FWHM 151.0 + 106.0°  
Efficiency 92 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



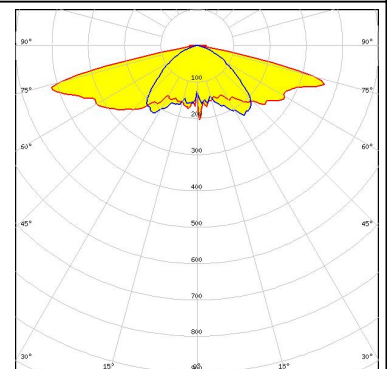
##### LUMILEDS

LED LUXEON T  
FWHM 154.0 + 110.0°  
Efficiency 96 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



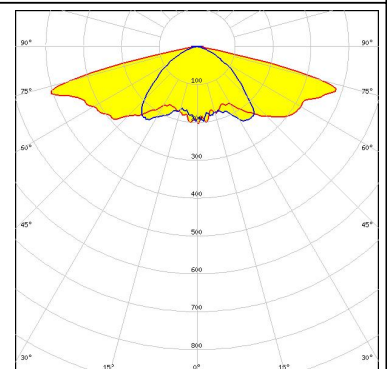
##### LUMILEDS

LED LUXEON TX  
FWHM 153.0 + 108.0°  
Efficiency 92 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### LUMILEDS

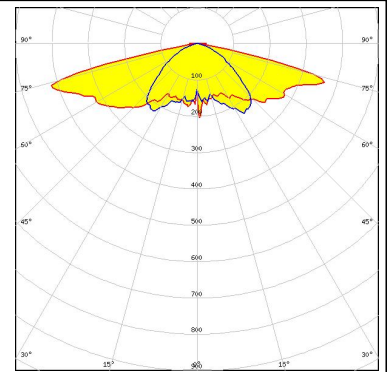
LED LUXEON V2  
FWHM 154.0 + 110.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



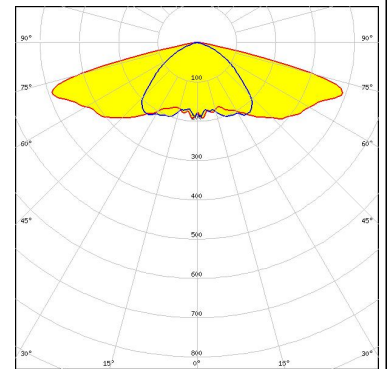
#### PHOTOMETRIC DATA (SIMULATED):



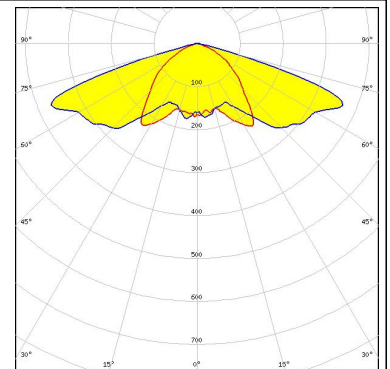
**LED** NCSxx19B  
**FWHM** 152.0 + 111.0°  
**Efficiency** 91 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** NV4WB35AM  
**FWHM** Asymmetric  
**Efficiency** 96 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



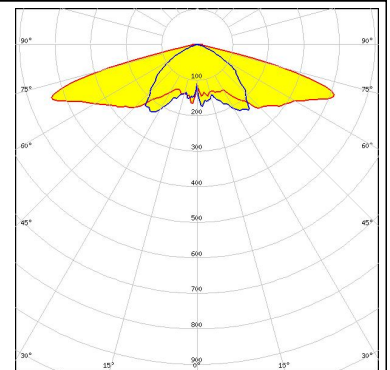
**LED** NVSxE21A  
**FWHM** 105.0 + 146.0°  
**Efficiency** 84 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



Transparent protective cover



**LED** NVSxx19B/NVSxx19C  
**FWHM** Asymmetric  
**Efficiency** 92 %  
**Peak intensity** 0.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



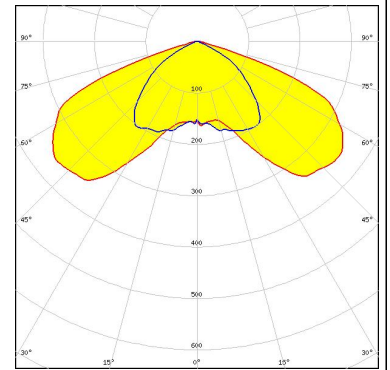


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM Opto Semiconductors

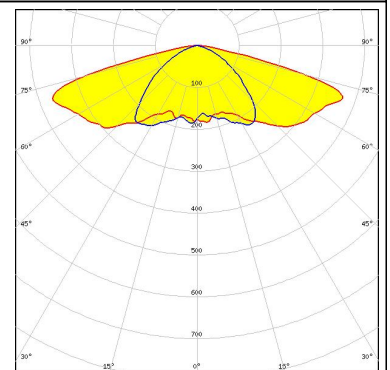
LED Duris S8  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Transparent protective cover



##### OSRAM Opto Semiconductors

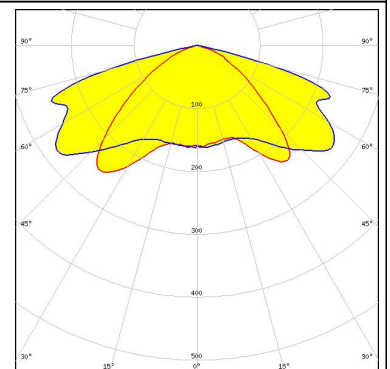
LED OSCONIQ P 3737 (3W version)  
 FWHM 153.0 + 92.0°  
 Efficiency 94 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
 FWHM 148.0 + 116.0°  
 Efficiency 82 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

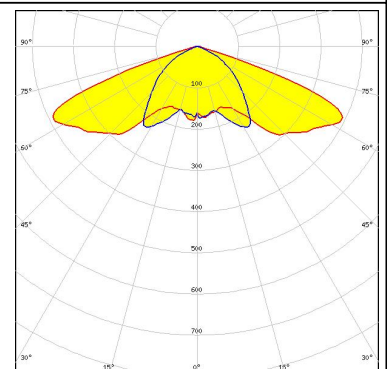
Transparent protective cover



##### OSRAM Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
 FWHM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

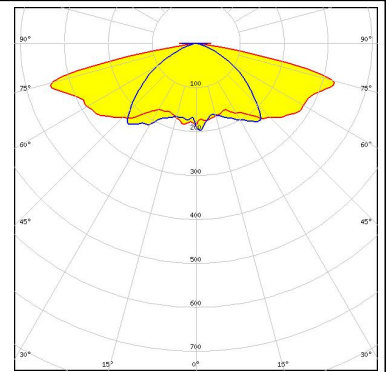
Transparent protective cover



#### PHOTOMETRIC DATA (SIMULATED):

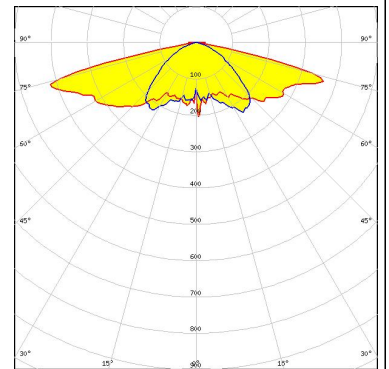
### PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4  
FWHM 157.0 + 94.0°  
Efficiency 94 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



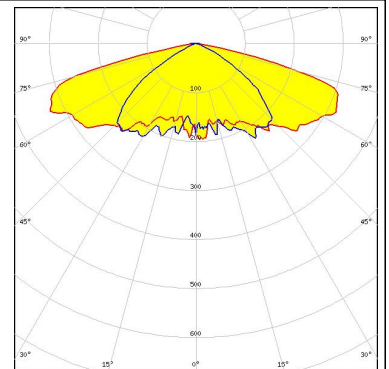
### SAMSUNG

LED LH351A  
FWHM 158.0 + 116.0°  
Efficiency 92 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



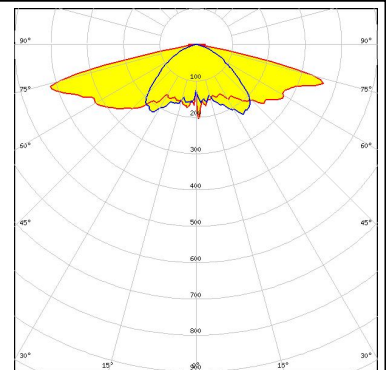
### SAMSUNG

LED LH351D  
FWHM 153.0 + 113.0°  
Efficiency 92 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### SAMSUNG

LED LH351Z  
FWHM 150.0 + 105.0°  
Efficiency 93 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):



#### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### MATERIALS:

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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